#### PATENT COOPERATION TREATY

REC'D	05	OCT	2005
WIPO			PCT

INTERNATIONAL SEARCHING AUTHORITY

To:

100081

Suite 501 Zhongyang Buiding No.27A

Zhongguangcun Nandajie,Haidian District,Beijing		ĺ		RCHING AUTHORITY	
100081,P.R.CHINA					
INSIGHT INTELLECTUAL PROPERTY			(.	PCT Rule 43 bis.1)	
LIMITED WANGDazuo					
WANGDazuo		l۱	Date of mailing		
		2		(29-09-2005)	
Applicant's or agent's file reference			FOR FURTHER ACTION		
05PCT0132				see paragraph 2 below	
International application No.	International filing	dat	te (day/month/year)	Priority date (day/month/year)	
PCT/CN2005/000508	15.Apr 200	)5(	5(15.04.2005) 15.Apr 2004(15.04.2004)		
International Patent Classification (IPC) or	ooth national classifica	itio	on and IPC		
	INC7:C129/10,9/02,				
Applicant					
THE CHINESE UNIVERSIT	TY OF HONG KONG	et	al		
1 This said and in disables solution		_			
1. This opinion contains indications relat	_	em	S;		
Box No. I Basis of the opini  Box No. I Priority	on				
. –	nt of opinion with rega	ard	to novelty, inventive	step and industrial applicability	
Box No. IV Lack of unity of			•		
				lty, inventive step or industrial applicability;	
_	anations supporting su	ch	statement		
☐ Box No.VI Certain document ☐ Box No. VII Certain defects in		ica	tion		
☐ Box No.VIII Certain observati					
_			••		
2. FURTHER ACTION					
If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1 bis(b) that written opinions of this International Searching Authority will not be so considered.					
If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.					
For further options, see Form PCT/ISA/220.					
3. For further details, see notes to Form PCT/ISA/220.					
Name and mailing address of the ISA/CN Date of completion of this opinion Authorized officer					
The State Intellectual Property Office, the	01.Sep 2005			Authorized officer	

P.R.China 6 Xitucheng Rd., Jimen Bridge, Haidian District, Beijing, China 100088 Facsimile No. 86-10-62019451 Telephone No. 86-010-62085090

Form PCT/ISA/237(cover sheet)(April 2005)

#### WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

Box No. I Basis of the opinion				
1. With regard to the language, this opinion has been established on the basis of:	•			
the international application in the language in which it was filed a translation of the international application into, which is the language of a translat furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).	ion			
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claim invention, this opinion has been established on the basis of:	ned			
a. type of material  a sequence listing  table(s) related to the sequence listing				
b. format of material				
c. time of filing/furnishing  contained in the international application as filed  filed together with the international application in electronic form  furnished subsequently to this Authority for the purposes of search				
3. In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.				
4. Additional comments:				
·				
Form PCT/ISA/237(Box No. I) (April 2005)				

### WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

Box	No.III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
Thi ind	is questions whether the claimed invention appears to be novel, to involve an inventive step (to be non obvious), or to be ustrially applicable have not been examined in respect of:
	the entire international application
$\boxtimes$	claims Nos. 1-8
be	cause:
$\boxtimes$	the said international application, or the said claims Nos. 1-8
	relate to the following subject matter which does not require an international preliminary examination(specify):
	methods for the diagnosis or for the treatment of diseases
	the description, claims or drawings (indicate particular elements below) or said claims Nos.  are so unclear that no meaningful opinion could be formed (specify):
	the claims, or said claims Nos. are so inadequately supported
	by the description that no meaningful opinion could be formed (specify):
$\boxtimes$	no international search report has been established for said claims Nos. 1-8
	a meaningful opinion could not be formed without the sequence listing; the applicant did not, within the prescribed time limit:
	If furnish a sequence listing on paper complying with the standard provided for in Annex C of the Administrative Instructions, and such listing was not available to the International Searching Authority in a form and manner acceptable to it.
	Instructions, and such listing was not available to the International Searching Authority in a form and manner acceptable to it.
	pay the required late furnishing fee for the furnishing of a sequence listing in response to an invitation under Rule 13ter.1(a) or (b).
	a meaningful opinion could not be formed without the tables related to the sequence listings; the applicant did not, within the prescribed time limit, furnish such tables in electronic form complying with the technical requirements provided for in Annex C-bis of the Administrative Instructions, and such tables were not available to the International Searching Authority in a form and manner acceptable to it.
	the tables related to the nucleotide and/or amino acid sequence listing, if in electronic form only, do not comply with the
	technical requirements provided for in Annex C-bis of the Administrative Instructions.
<u> </u>	See Supplemental Box for further details.

# WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

Box No. IV	La	ck of unity of invention			
1. 🛛	In resp	onse to the invitation (Form PCT/ISA/206) to pay additional fees the applicant has, within the applicable time limit:			
!		paid additional fees			
į	☒	paid additional fees under protest and, where applicable, the protest fee			
I		paid additional fees under protest but the applicable protest fee was not paid			
l		not paid additional fees			
		uthority found that the requirement of unity of invention is not complied with and chose not to invite the applicant onal fees:			
		ity considers that the requirement of unity of invention in accordance with Rule 13.1, 13.2 and 13.3 is			
⊠ exam	complied with not complied with for the following reasons: Each of claims 9-18 comprises many embodiments that lack the same or corresponding special technical features. For example, the arrays or kits prepared with one of said 5 genes respectively, have not a common structural unit(or component)each other. Therefore, claims 9-18 lack unity in rule(13) of PCT.				
4. Conse	equentl	y, this opinion has been established in respect of the following parts of the international application:			
⊠ al	ll parts.				
☐ th	ne parts	relating to claims Nos.			

# WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

Box No. V Reasoned statement under citations and explanations		.1(a)(i) with regard to novelty, inventive step or industrial applic such statement	ability;
1. Statement:			
Novelty (N)	Claims	9-18	YES
(1)	Claims		NO
	Cianna		
Inventive step (IS)	Claima		YES
mventive step (10)	Claims	0.10	NO
	Claims	9-18	NO
To december a construction of AN	·	2.42	vec.
Industrial applicability (IA)	Claims	9-18	YES
	Claims		NO
Citations and explanations     The followed documents are cited in     D1: J. Clin. Invest., 1997,100(4), Fimmunoglobulin A nephropathy in Caucasia	ei, York et	al:" Association of angiotensinogen gene T235 variant with pro	gression of
reductase gene polymorphisms with r D3: Kidney International, 2000,58(2), necrosis factor-a gene polymorphism on Iga About novelty: Claims 9-18 ask for protection of the a in D1-D3,the array or kit are not disclosed i About inventiveness: Claims 9-16 ask for protection of the consisting of an I/D genotype of an ACE g relation between some diseases and them.S	nephropath 783-789, Sh A nephropath array or kit co in D1-D3.Cla he array or ene etc. How to the array of	nu, Kuo-Hsiung et al:" Impact of interleukin-1 receptor antagonist and my"  comprising some genes or primers. Though some of the genes are discaims 9-18 are novel and meet the criteria mentioned in article 33 kit comprising at least one polymorphic sequence selected from every. D1-D3 have disclosed such polymorphic sequences of these generates the kit comprising one of such sequences are obvious to the person	d tumor closed (2)PCT.  the group enes and the on skilled in
mentioned in article 33(3)PCT.  Claims 17-18 ask for protection of the suspected of suffering from anephropathy disclosed such genes all play important obvious. Designing primers for the disclosed primers for these genes are obvious to the pand don't appear to meet the criteria mention.  About industrial applicability:	ne kit for de verene kit for des in des in des in des in articles in de can be use	as 9-16 don't appear to be inventive and don't appear to meet the steeting a subject of Chinese diabetic suffering from, at risk for descriptions for amplifying the gene ACE, AGT, ALR2 or TNF-α. In nephropathy. So the combination of them for detecting nephropathy. So the relevant technical field. Thus The kit control in the relevant field of technology. Claims 17-19 don't appear to be a 33(3) PCT.  d in diagnosis of diseases. Thus claims 9-18 possess industrial applications.	veloping or D1-D3 have aropathy is apprising the oe inventive
meet the criteria mentioned in article 33(4)			